



SEQUENCE LISTING

<110> Nya Hamlet Pharma A/B

<120> Biologically active complex

<130> bjs-4984-4

<140> 10/506,903

<141> 2004-12-08

<150> PCT/IB03/01293

<151> 2003-03-07

<150> UK 0205347.8

<151> 2002-03-07

<160> 5

<170> PatentIn version 3.1

<210> 1

<211> 123

<212> PRT

<213> homo sapiens

<400> 1

Lys Gln Phe Thr Lys Cys Glu Leu Ser Gln Leu Leu Lys Asp Ile Asp  
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Gly Tyr Gly Gly Ile Ala Leu Pro Glu Leu Ile Cys Thr Met Phe His  
20 25 30

Thr Ser Gly Tyr Asp Thr Gln Ala Ile Val Glu Asn Asn Glu Ser Thr  
35 40 45

Glu Tyr Gly Leu Phe Gln Ile Ser Asn Lys Leu Trp Cys Lys Ser Ser  
50 55 60

Gln Val Pro Gln Ser Arg Asn Ile Cys Asp Ile Ser Cys Asp Lys Phe  
65 70 75 80

Leu Asp Asp Asp Ile Thr Asp Asp Ile Met Cys Ala Lys Lys Ile Leu  
85 90 95

Asp Ile Lys Gly Ile Asp Tyr Trp Leu Ala His Lys Ala Leu Cys Thr  
100 105 110

Glu Lys Leu Glu Gln Trp Leu Cys Glu Lys Leu  
115 120

<210> 2

<211> 123

<212> PRT

<213> Bos taurus

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Glu Gln Leu Thr Lys Cys Glu Val Phe Arg Glu Leu Lys Asp Leu Lys  
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Gly Tyr Gly Gly Val Ser Leu Pro Glu Trp Val Cys Thr Thr Phe His  
20 25 30

Thr Ser Gly Tyr Asp Thr Gln Ala Ile Val Gln Asn Asn Asp Ser Thr  
35 40 45

Glu Tyr Gly Leu Phe Gln Ile Asn Asn Lys Ile Trp Cys Lys Asp Asp  
50 55 60

Gln Asn Pro His Ser Ser Asn Ile Cys Asn Ile Ser Cys Asp Lys Phe  
65 70 75 80

Leu Asp Asp Asp Leu Thr Asp Asp Ile Met Cys Val Lys Lys Ile Leu  
85 90 95

Asp Lys Val Gly Ile Asn Tyr Trp Leu Ala His Lys Ala Leu Cys Ser  
100 105 110

Glu Lys Leu Asp Gln Trp Leu Cys Glu Lys Leu  
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<211> 123

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<213> Artificial Sequence

<220>

<223> Mutation of AA 87

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Glu Gln Leu Thr Lys Cys Glu Val Phe Arg Glu Leu Lys Asp Leu Lys  
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Gly Tyr Gly Gly Val Ser Leu Pro Glu Trp Val Cys Thr Thr Phe His  
20 25 30

Thr Ser Gly Tyr Asp Thr Gln Ala Ile Val Gln Asn Asn Asp Ser Thr  
35 40 45

Glu Tyr Gly Leu Phe Gln Ile Asn Asn Lys Ile Trp Cys Lys Asp Asp  
50 55 60

Gln Asn Pro His Ser Ser Asn Ile Cys Asn Ile Ser Cys Asp Lys Phe  
65 70 75 80

Leu Asp Asp Asp Leu Thr Ala Asp Ile Met Cys Val Lys Lys Ile Leu  
85 90 95

Asp Lys Val Gly Ile Asn Tyr Trp Leu Ala His Lys Ala Leu Cys Ser  
100 105 110

Glu Lys Leu Asp Gln Trp Leu Cys Glu Lys Leu  
115 120

<210> 4

<211> 123

<212> PRT

<213> Artificial Sequence

<220>

<223> Mutation of AA 87

<400> 4

Glu Gln Leu Thr Lys Cys Glu Val Phe Arg Glu Leu Lys Asp Leu Lys  
1 5 10 15

Gly Tyr Gly Gly Val Ser Leu Pro Glu Trp Val Cys Thr Thr Phe His

	20		25		30
Thr Ser Gly Tyr Asp Thr Gln Ala Ile Val Gln Asn Asn Asp Ser Thr	35	40	45		
Glu Tyr Gly Leu Phe Gln Ile Asn Asn Lys Ile Trp Cys Lys Asp Asp	50	55	60		
Gln Asn Pro His Ser Ser Asn Ile Cys Asn Ile Ser Cys Asp Lys Phe	65	70	75	80	
Leu Asp Asp Asp Leu Thr Asn Asp Ile Met Cys Val Lys Lys Ile Leu	85	90	95		
Asp Lys Val Gly Ile Asn Tyr Trp Leu Ala His Lys Ala Leu Cys Ser	100	105	110		
Glu Lys Leu Asp Gln Trp Leu Cys Glu Lys Leu	115	120			

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<213> Artificial Sequence

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<223> Mutation of AA 70

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Glu Gln Leu Thr Lys Cys Glu Val Phe Arg Glu Leu Lys Asp Leu Lys	1	5	10	15
Gly Tyr Gly Gly Val Ser Leu Pro Glu Trp Val Cys Thr Thr Phe His	20	25	30	
Thr Ser Gly Tyr Asp Thr Gln Ala Ile Val Gln Asn Asn Asp Ser Thr	35	40	45	
Glu Tyr Gly Leu Phe Gln Ile Asn Asn Lys Ile Trp Cys Lys Asp Asp	50	55	60	
Gln Asn Pro His Ser Arg Asn Ile Cys Asn Ile Ser Cys Asp Lys Phe	65	70	75	80

Leu Asp Asp Asp Leu Thr Asp Asp Ile Met Cys Val Lys Lys Ile Leu  
85 90 95

Asp Lys Val Gly Ile Asn Tyr Trp Leu Ala His Lys Ala Leu Cys Ser  
100 105 110

Glu Lys Leu Asp Gln Trp Leu Cys Glu Lys Leu  
115 120